REMARKS

Claims 4-5 and 7-9 are pending in this application.

Claim 4 has been amended in order to more particularly point out, and distinctly claim the

subject matter to which the applicants regard as their invention. The support for the claim

amendment is as follows:

Claim 4 is based on p.12, lines 12-18 (fabric laminated on dense skin layer).

The applicants respectfully submit that no new matter has been added. It is believed that this

Amendment is fully responsive to the Office Action dated October 28, 2005.

In the present invention recited claims 4-5 and 7-9, an asymmetric porous PTFE membrane

comprises two layers; a dense skin layer, and a continuously foamed porous layer. In particular, in

the claimed invention, fabric is specifically laminated on the outer surface of the dense skin layer

of an asymmetric PTFE membrane, not the porous layer, or the inner surface of the dense skin layer

which is directly next to the porous layer.

Claims 4-5 and 7-9 are rejected under 35 USC 103(a) as being obvious in light of

Reaney (U.S. Patent 5,162,149) in view of Bellairs, et al. (U.S. Patent 4,863,788) or Henn, et al.

(U.S. Patent 5,026,591).

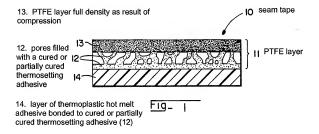
Reaney discloses a non-blocking seam tape comprising an asymmetric porous PTFE

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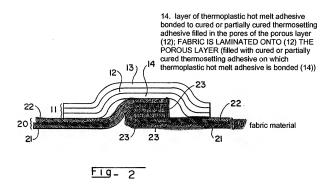
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membrane having a dense skin layer and a continuously foamed porous layer. The Examiner concedes that Reaney does not disclose specific fabrics, and cites Bellairs and Henn for the disclosure of woven and nonwoven fabrics such as polyester, nylon, or cotton.

The Office Action asserts that **Reaney** discloses that a fabric is laminated on the dense skin layer using an adhesive that flows through the porous layer, and cites Fig. 1 and the paragraph bridging columns 4 and 5 as support. Fig.1 of **Reaney** is reproduced below with added descriptions of the items.:



Furthermore, Fig. 2 describes the laminated fabric in relation to the layers of the PTFE membrane:



Col. 3, lines 3-17 of **Reaney** dicloses that (13), the outermost layer of the PTFE membrane shown in Fig. 2, is the dense skin layer; (12) represents the porous layer of the PTFE membrane having pores filled with cured or partially cured thermosetting adhesive; and, (14) is a layer of thermoplastic hot melt adhesive bonded to (12). In particular, Fig. 2 shows that the fabric material (20) is laminated by thermoplastic hot melt adhesive (14), which is bonded to the cured or partially cured thermosetting adhesive filled in the porous layer, onto the porous layer (12). The *outermost layer* of the PTFE membrane shown in Fig. 2, which is the dense skin layer (13), *does not come into contact with the fabric material*. In fact, Fig. 2 shows that nothing is laminated on the outer surface

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of the dense skin layer (13).

However, contrary to the claimed invention, Reaney does not teach an asymmetric porous

PTFE membrane wherein woven or nonwoven fabric is laminated on a outer surface of the dense

skin layer, and thereby forming an air permeable and waterproof membrane. Examples 4-6

contained in the Specification describe that, in the present invention, fabric is laminated directly on

to the outer surface of a dense skin layer by adhesive applied directly on the outer surface of a dense

skin layer, not fill in the pores of the porous layer as taught by Reaney. In other words, as currently

amended, claim 4 requires the fabric to come into contact with the dense skin layer, whereas

according to Reaney, the fabric does not come into contact with the dense skin layer. (Office

Action, p.4, lines 15-16).

In fact, Reaney teaches away from the present invention. Reaney discloses that an "adhesive

penetrates into the surface pores...[of the] expanded porous PTFE layer" and solidifies, in order to

provide a surface on which hot melt adhesive can be applied. (Reaney, col.3, lines 45-49).

 $\label{thm:continuous} Thereafter, fabric is laminated onto this {\it porous}, adhesive-penetrated, hot melt adhesive-applied, \\$ 

PTFE layer. (Reaney, Fig.2; col.3, lines 11-17). Accordingly, contrary to the present invention

wherein fabric is laminated on the outer surface of a dense skin layer, Reaney teaches that a fabric

must necessarily be applied on a porous layer of an asymmetric PTFE membrane. In fact, Reaney

specifies that the PTFE layer that does not come into contact with fabric is the layer densified by

heat, forming a dense skin layer. (Reaney, col.3, lines 49-56; Fig.2).

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Reaney, Bellairs, and Henn, in combination, fail to teach or suggest the present invention

recited in claims 4-5 and 7-9 because the references do not disclose a material for clothing wherein

fabric is laminated on an outer surface of a dense skin layer of an asymmetric porous PTFE

membrane. In fact, Reaney's disclosure teaches away from the claimed invention.

It is respectfully requested that this rejection be reconsidered and withdrawn.

In view of the aforementioned amendments and accompanying remarks, claims 4-5 and 7-9,

as amended, are in condition for allowance, which action, at an early date, is requested.

If, for any reason, it is felt that this application is not now in condition for allowance, the

Examiner is requested to contact the applicants undersigned attorney at the telephone number

indicated below to arrange for an interview to expedite the disposition of this case.

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In the event that this paper is not timely filed, the applicants respectfully petition for an

appropriate extension of time. Please charge any fees for such an extension of time and any other

fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

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